

=> FILE REG
FILE 'REGISTRY' ENTERED AT 16:14:54 ON 27 FEB 2008
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=> D HIS

FILE 'LREGISTRY' ENTERED AT 15:21:56 ON 27 FEB 2008
L1 STR

FILE 'REGISTRY' ENTERED AT 15:37:18 ON 27 FEB 2008
L2 0 S L1

FILE 'LREGISTRY' ENTERED AT 15:37:33 ON 27 FEB 2008
L3 STR L1

FILE 'REGISTRY' ENTERED AT 15:42:30 ON 27 FEB 2008
L4 0 S L3

FILE 'HCAPLUS' ENTERED AT 15:44:17 ON 27 FEB 2008
L5 277 S KRAFT P?/AU
L6 5456 S PERFUME?/TI
L7 7 S L5 AND L6
SEL L7 1 RN

FILE 'REGISTRY' ENTERED AT 15:45:28 ON 27 FEB 2008
L8 18 S E1-E18
L9 7 S L3 FUL
SAV L9 MRU426/A

FILE 'CAOLD' ENTERED AT 15:48:46 ON 27 FEB 2008
L10 0 S L9

FILE 'ZCPLUS' ENTERED AT 15:48:47 ON 27 FEB 2008
L11 2 S L9

FILE 'BEILSTEIN' ENTERED AT 15:48:55 ON 27 FEB 2008
L12 0 S L3
L13 4 S L3 FUL
L14 3092 S KRAFT ?/AU
L15 0 S L13 NOT L14

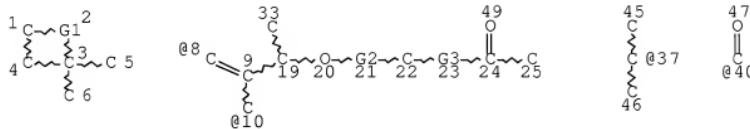
FILE 'MARPAT' ENTERED AT 15:50:52 ON 27 FEB 2008
L16 0 S L9

L17 3 S L9 FUL
 SAV L17 MRU426A/A
L18 1 S L17/COMPLETE

FILE 'REGISTRY' ENTERED AT 16:14:54 ON 27 FEB 2008

=> D L9 QUE STAT

L3 STR



VAR G1=8-1 10-3/8-3 10-1

VAR G2=37/40

VAR G3=O/C

NODE ATTRIBUTES:

NSPEC IS RC AT 5
NSPEC IS RC AT 6
NSPEC IS RC AT 25
NSPEC IS RC AT 33
NSPEC IS RC AT 45
NSPEC IS RC AT 46

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

L9 7 SEA FILE=REGISTRY SSS FUL L3

100.0% PROCESSED 35185 ITERATIONS

SEARCH TIME: 00.00.01

7 ANSWERS

=> FILE ZCAPLUS

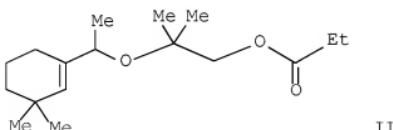
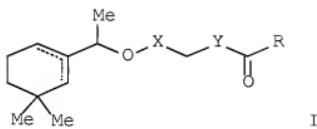
FILE 'ZCPLUS' ENTERED AT 16:15:07 ON 27 FEB 2008
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=> D L11 1-2 BIB ABS HITSTR HITRN

L11 ANSWER 1 OF 2 ZCPLUS COPYRIGHT 2008 ACS on STN
AN 2004:490812 ZCPLUS Full-text
DN 141:38376
TI Preparation of unsatd. alicyclic carbonyl compounds and their use in
perfumery
IN Kraft, Philip
PA Givaudan S. A., Switz.
SO PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004050602	A1	20040617	WO 2003-CH772	200311 24
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU	2003280274	A1	20040623	AU 2003-280274	200311 24
EP	1565426	A1	20050824	EP 2003-770839	200311 24
EP	1565426	B1	20061025	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,	

	SK			
CN 1705631	A	20051207	CN 2003-80101873	200311 24
JP 2006508153	T	20060309	JP 2004-555943	200311 24
AT 343560	T	20061115	AT 2003-770839	200311 24
ES 2274281	T3	20070516	ES 2003-770839	200311 24
US 2006046955	A1	20060302	US 2005-534426	200505 10
MX 2005PA05488	A	20050725	MX 2005-PA5488	200505 23
IN 2005CN01040	A	20070427	IN 2005-CN1040	200505 26
PRAI GB 2002-27807	A	20021129		
WO 2003-CH772	W	20031124		
OS MARPAT 141:38376				
GI				



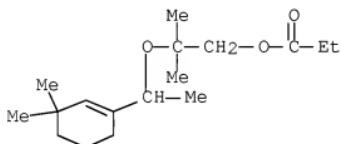
AB The unsatd. alicyclic carbonyl compds. I (R = C1-C4 alkyl, vinyl, linear, branched or cyclic C3-C4 alkenyl; X = carbonyl or a divalent radical -(CMe₂)-; Y = O or a divalent radical -(CH₂)-) were prepd. as perfumes. Thus, 1-(3,3-dimethylcyclohex-1-enyl)ethanone was reduced with LiAlH₄ followed by reaction with isobutylene oxide and the esterification with propionic acid to give propionic acid 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]-2-methylpropyl ester (II). II was used in a perfume compn.

IT 676532-37-9P 676532-38-0P 676532-40-4P
704879-81-2P 704879-82-3P 704879-83-4P

(prepn. of 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]-2-methylpropyl and 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]carbonylmethyl esters and their use in perfumery)

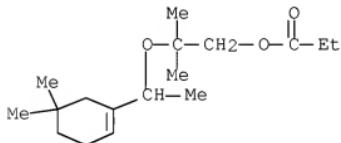
RN 676532-37-9 ZCPLUS

CN 1-Propanol, 2-[1-(3,3-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



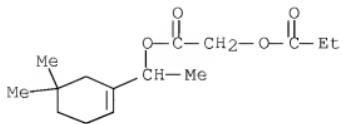
RN 676532-38-0 ZCPLUS

CN 1-Propanol, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



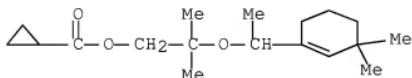
RN 676532-40-4 ZCPLUS

CN Acetic acid, (1-oxopropoxy)-, 1-(5,5-dimethyl-1-cyclohexen-1-yl)ethyl ester (9CI) (CA INDEX NAME)



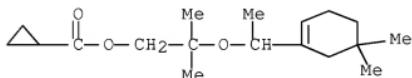
RN 704879-81-2 ZCPLUS

CN Cyclopropanecarboxylic acid, 2-[1-(3,3-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methylpropyl ester (CA INDEX NAME)



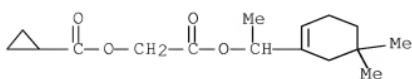
RN 704879-82-3 ZCPLUS

CN Cyclopropanecarboxylic acid, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methylpropyl ester (CA INDEX NAME)



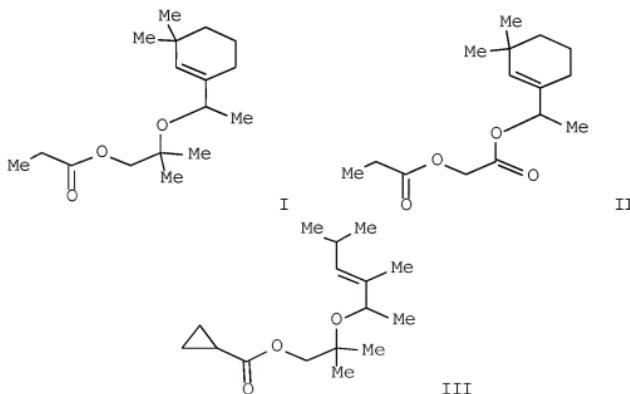
RN 704879-83-4 ZCPLUS

CN Cyclopropanecarboxylic acid, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-oxoethyl ester (CA INDEX NAME)



IT 676532-37-9P 676532-38-0P 676532-40-4P
704879-81-2P 704879-82-3P 704879-83-4P
(prepn. of 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]-2-
methylpropyl and 2-[1-(3,3-dimethylcyclohex-1-
enyl)ethoxy]carbonylmethyl esters and their use in perfumery)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 ZCPLUS COPYRIGHT 2008 ACS on STN
AN 2004:94050 ZCPLUS Full-text
DN 140:303456
TI Synthesis and odor of aliphatic musks: Discovery of a new class of
odorants
AU Kraft, Philip; Eichenberger, Walter
CS Fragrance Research, Givaudan Schweiz AG, Duebendorf, 8600, Switz.
SO European Journal of Organic Chemistry (2004), (2), 354-365
CODEN: EJOCFK; ISSN: 1434-193X
PB Wiley-VCH Verlag GmbH & Co. KGaA
DT Journal
LA English
OS CASREACT 140:303456
GI



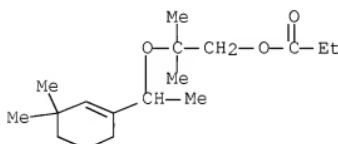
AB To find new aliph. musks, the propionates of 2-[1'-(3'',3''-dimethylcyclohex-1''-enyl)ethoxy]-2-methylpropanol, 2-[1'-(5'',5''-dimethylcyclohex-1''-enyl)ethoxy]-2-methylpropanol, hydroxyacetic acid 1-(3',3'-dimethylcyclohex-1'-enyl)ethyl ester, and hydroxyacetic acid 1-(5',5'-dimethylcyclohex-1'-enyl)ethyl ester were synthesized starting from 1-(3',3'-dimethylcyclohex-1'-enyl)ethanone and 1-ethynyl-3,3-dimethylcyclohexanol. The 3,3-dimethylcyclohexenyl derivs. I (odor threshold 0.2 ng/air) and II (odor threshold 0.6 ng/air) are superior musk odorants, and, thus, 1,2,4-trimethylpent-2-enoxy analogs were synthesized as seco versions. The synthesis of the esters commenced with a Wittig-Horner-Emmons reaction of isobutyric aldehyde, followed by sapon., alkylation with methylolithium, LAH redn., etherification with isobutylene oxide, and Steglich esterification. (2''E)-2'-Methyl-2'-(1'',2'',4''-trimethylpent-2''-enoxy)propyl cyclopropanecarboxylate, (2''E)-III, which has a powerful and sweet musk odor and slightly fruity nuances, was found to be a typical representative of this new class of musk odorants, was subjected to conformational anal. In addn., the synthesis and olfactory properties of the related ketones, the 2-methyl-2-(1',4',4'-trimethylpent-2'-enoxy)propyl esters, and the 2-(1',4'-dimethylpent-2'-enoxy)-2-methylpropyl esters is reported.

IT 676532-37-9P 676532-38-0P 676532-39-1P
676532-40-4P

(synthesis, odor, and conformational anal. of aliph. musks prep'd. from cyclohexanols or hexanols via Wittig-Horner-Emmons and Steglich esterifications)

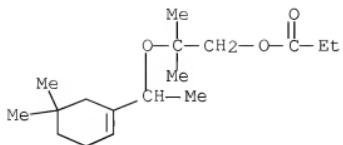
RN 676532-37-9 ZCPLUS

CN 1-Propanol, 2-[1-(3,3-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



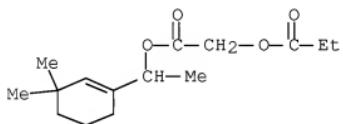
RN 676532-38-0 ZCPLUS

CN 1-Propanol, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



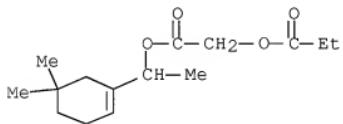
RN 676532-39-1 ZCPLUS

CN Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethyl-1-cyclohexen-1-yl)ethyl ester (9CI) (CA INDEX NAME)



RN 676532-40-4 ZCPLUS

CN Acetic acid, (1-oxopropoxy)-, 1-(5,5-dimethyl-1-cyclohexen-1-yl)ethyl ester (9CI) (CA INDEX NAME)



IT 676532-37-9P 676532-38-0P 676532-39-1P

676532-40-4P

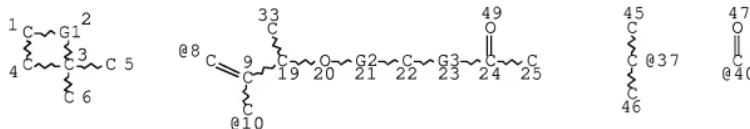
(synthesis, odor, and conformational anal. of aliph. musks prep'd. from cyclohexanols or hexanols via Wittig-Horner-Emmons and Steglich esterifications)

=> FILE BEILSTEIN
FILE 'BEILSTEIN' ENTERED AT 16:15:55 ON 27 FEB 2008
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FILE LAST UPDATED ON January 3, 2008

FILE COVERS 1771 TO 2007.
*** FILE CONTAINS 10,119,480 SUBSTANCES ***

=> D L13 QUE STAT
L3 STR



VAR G1=8-1 10-3/8-3 10-1

VAR G2=37/40

VAR G3=0/C

NODE ATTRIBUTES:

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NSPEC IS RC AT 6

NSPEC IS RC AT 25

NSPEC IS RC AT 33

NSPEC IS RC AT 45

NSPEC IS RC AT 46

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

BING(S) ARE ISOLA

NUMBER OF NODES IS 23

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

4 SEA TIDE-BEIESTEIN 555 FOR HS

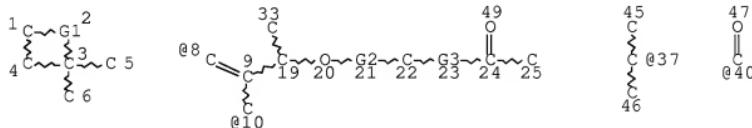
100.0% PROCESSED 20698 ITERATIONS
SEARCH TIME: 00.00.16

4 ANSWERS

=> FILE MARPAT
FILE 'MARPAT' ENTERED AT 16:16:29 ON 27 FEB 2008
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FILE CONTENT: 1961-PRESENT VOL 148 ISS 7 (20080222/ED)

=> D L17 QUE STAT
L3 STR



VAR G1=8-1 10-3/8-3 10-1

VAR G2=37/40

VAR G3=0/C

NODE ATTRIBUTES:

NSPEC IS RC AT 5

NSPEC IS RC AT 6

NSPEC IS RC AT 25

NSPEC IS RC AT 33

NSPEC IS RC AT 45

NSPEC IS RC AT 46

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ONE OR MORE BONES
BING(S) ARE ISOLATED

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 23

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

LI7 3 SEA FILE=MARPA1 SSS FUL LS

100.0% PROCESSED 125394 ITERATIONS (2 INCOMPLETE) 3 ANSWERS
SEARCH TIME: 00.08.34

=> D L18 1 TI AU

L18 ANSWER 1 OF 1 MARPAT COPYRIGHT 2008 ACS on STN
TI Preparation of unsatd. alicyclic carbonyl compounds and their use in
perfumery
IN Kraft, Philip